Flow Modeling, Mapping & H&H Done

What Happens Next?
FLOW MODELING, MAPPING AND H&H STUDIES ALLOW US TO OPEN THE FLOODPLAIN MANAGEMENT TOOL KIT.

MAPPING AND CENTRAL SCHOOL
Often referred to as Louis Joliet’s panoramic campground, the town of “Two Rivers” is also the dumping grounds for almost 12,000 square miles of watershed.
DISASTER STRIKES

INITIAL ASSESSMENT

3 RESIDENTIAL SUBSTANTIAL DAMAGE

COST ESTIMATES FOR THE SCHOOL

PRE-FLOOD APPRAISAL FOR SCHOOL
## Reconstruction Cost Breakdown

Information from 12 November 2008 BREAKDOWN indicated with lighter text.
Information added since 12 November 2008 version in darker text.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Source</th>
<th>Units</th>
<th>Unit Cost</th>
<th>Selective (Insurance Company reimbursed)</th>
<th>ESD 141 (district cost)</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Floor Tile Removal</td>
<td>Trimark</td>
<td>27,000</td>
<td>$0.00</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>First Floor Tile Removal Reconstruction</td>
<td>Trimark</td>
<td>27,000</td>
<td>$5.52</td>
<td>$149,040</td>
<td>$149,040</td>
</tr>
<tr>
<td>First Floor Tile Removal Reconstruction - asbestos &quot;difference&quot;</td>
<td>GA</td>
<td>27,000</td>
<td>$3.20</td>
<td>$86,400</td>
<td>$86,400</td>
</tr>
<tr>
<td>First Floor Tile Removal</td>
<td>GA</td>
<td>3,000</td>
<td>$0.00</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>First Floor Tile Removal Reconstruction</td>
<td>GA</td>
<td>3,000</td>
<td>$5.52</td>
<td>$16,560</td>
<td>$16,560</td>
</tr>
<tr>
<td>First Floor Tile Removal Reconstruction - asbestos &quot;difference&quot;</td>
<td>GA</td>
<td>3,000</td>
<td>$3.20</td>
<td>$9,600</td>
<td>$9,600</td>
</tr>
<tr>
<td>Second Floor</td>
<td>GA</td>
<td>13,500</td>
<td>$8.72</td>
<td>$117,720</td>
<td>$117,720</td>
</tr>
<tr>
<td>Other improvement/restoration costs</td>
<td>Trimark</td>
<td>LS</td>
<td>$498,790</td>
<td>$498,790</td>
<td>$498,790</td>
</tr>
<tr>
<td>Remediation of pipe tunnel/crawl</td>
<td>GA</td>
<td>LS</td>
<td>$100,000</td>
<td>$100,000</td>
<td>$100,000</td>
</tr>
<tr>
<td>Reinsulation of pipe tunnel/crawl</td>
<td>GA</td>
<td>LS</td>
<td>$30,500</td>
<td>$30,500</td>
<td>$30,500</td>
</tr>
<tr>
<td>&quot;Capping&quot; of crawlspace floor to &quot;encapsulate&quot; contaminated earth</td>
<td>GA</td>
<td>LS</td>
<td>$255,000</td>
<td>$255,000</td>
<td>$255,000</td>
</tr>
<tr>
<td>Supplemental crawlspace drainage system</td>
<td>GA</td>
<td>LS</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Emergency generator</td>
<td>GA</td>
<td>LS</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Auditorium ceiling - abate asbestos plaster ceiling damaged by water (5,500 SF)</td>
<td>GA</td>
<td>LS</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Auditorium ceiling - reconstructed; new plaster + lighting and allowance to adapt HVAC</td>
<td>GA</td>
<td>LS</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Boiler restoration (Potential value of Trimark underestimated amount. $75,000 is inc. in above)</td>
<td>Trimark</td>
<td>LS</td>
<td>$25,000</td>
<td>$25,000</td>
<td>$25,000</td>
</tr>
<tr>
<td>Boiler restoration (Owner requested improvements)</td>
<td>GA</td>
<td>LS</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Door hardware upgrade [1]</td>
<td>GA</td>
<td>34</td>
<td>$300.00</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Sand and refinish gym floor</td>
<td>GA</td>
<td>5,850</td>
<td>$4.00</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Paint Gym</td>
<td>GA</td>
<td>9,300</td>
<td>$1.90</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Paint Corridors - first floor</td>
<td>GA</td>
<td>11,000</td>
<td>$1.30</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Paint Corridors - second floor</td>
<td>GA</td>
<td>2,000</td>
<td>$1.30</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Paint Classrooms - second floor</td>
<td>GA</td>
<td>21,000</td>
<td>$1.30</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Sitework</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hazardous material remediation [8]</td>
<td>GA</td>
<td>LS</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Responsibility for cost needs to be determined.</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>SUBTOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$689,390</strong></td>
<td><strong>$602,427</strong></td>
</tr>
</tbody>
</table>
February 11, 2009

Richard A. Myers
Regional Superintendent of Schools
119 W. Madison St. Rm 102
Ottawa, Illinois 61350

Re: Substantial Damage, Central School

Subsequent to the recent flooding event, a damage assessment has been completed on the property referenced above. This is part of the City of Ottawa’s floodplain management responsibilities in order to maintain the availability of flood insurance and disaster assistance to residents. The following information relates to the address referenced above:

<table>
<thead>
<tr>
<th>Property Information</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community Number:</td>
<td>170405</td>
</tr>
<tr>
<td>Parcel Zone Information:</td>
<td>AE</td>
</tr>
<tr>
<td>Fair Market Value:</td>
<td>$3,191,364</td>
</tr>
<tr>
<td>Flood Damage, 2008:</td>
<td>$1,752,270</td>
</tr>
<tr>
<td>Total Damages</td>
<td>$1,752,270</td>
</tr>
<tr>
<td>Percent Damaged</td>
<td>54.9%</td>
</tr>
<tr>
<td>Ordinance Requirement:</td>
<td>Mitigation (elevation or removal)</td>
</tr>
</tbody>
</table>

The determination is that this structure is declared Substantially Damaged and must be brought into compliance with the City of Ottawa’s Floodplain Ordinance prior to repair and reoccupation. For this structure to be in compliance with the ordinance, the structure must be elevated, moved outside the floodplain, floodproofed or demolished.

Building inspections, Building Permits, and an Elevation Certificate will be required prior to the issuance of a Certificate of Occupancy. This structure may NOT be occupied until these corrections are made. Please contact this office at your earliest convenience to make an appointment with me to discuss your upcoming project. If you have any additional questions, you may feel free to call me at 815-433-0161 ext. 19.

Sincerely,

Michael J. Sutphin
Building & Zoning Official
1997 Site Investigation Report

Sanborn Maps from 1998 shows evidence of Manufactured Gas Plant Site still in place.

1999 Northern Illinois Gas remediates contaminated site.

A running track is built over fill.

Because property is in floodplain (1985 FIRM) the “as built” drawings would have been submitted to USACE and IDNR.

The new topographic maps show the track elevation at 474’ and 475’
FEMA rejects OES funding request

‘Shocking news’ forces board to find alternate means to deal with Central School building

M. G. STANLEY
March 18, 2009

A new building to replace Central School is no longer something the Federal Emergency Management Agency would be willing to help pay for.

The Ottawa Elementary School Board discussed this development during its meeting Monday. FEMA’s declaration effectively eliminates the option of the district building a new school without finding another means of funding.

“This was a tremendously setback,” said board President Bob Nason. “This was a big change in attitude from FEMA that was pretty devastating to our district. It will really change the course of direction of new funding.”

Superintendent Craig Doster said for the past seven months, the district had been led to believe FEMA funding could be used to pay for a new building. The district was planning to build a new school on the flood plain and under the city’s flood plain ordinance.

However, FEMA in its final decision, determined the estimated cost of repairs for the existing building was too high. FEMA also determined the school was not in a flood plain.

Doster said, “We’re in uncharted territory with FEMA. They have changed their minds and it’s going to be up to us to find another way to fund the project.”

Doster said the board was seeking advice from a consultant to determine the best course of action.

Doster said the district is considering two options:

1. To work with the state to purchase the school site and build a new school.
2. To work with the state to purchase the school site and build a new school.

We asked for readers’ pictures of themselves at famous places. Darshan Sahota submitted this photo of him, his wife Shilpa, and sons Darshan and Navneet in front of the Taj Mahal at Agra in India. Email photos to newroom@mywebtimes.com and be sure to include the names and hometowns of everyone pictured.
<table>
<thead>
<tr>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>District 141</td>
<td>341</td>
<td>220</td>
<td>4,760.00</td>
<td>189.00</td>
<td>3,635.60</td>
<td>Bare Mat.</td>
<td>2009 Qtr 1</td>
<td>21,500.00</td>
<td>15,440.00</td>
<td>13,725.00</td>
<td>7,590.00</td>
<td>3,210.00</td>
<td>1,110.00</td>
<td>2,781.60</td>
<td>1,104.00</td>
<td>1,131.00</td>
<td>5,482.40</td>
<td>5,110.00</td>
<td>5,477.50</td>
</tr>
<tr>
<td>District 141</td>
<td>6400</td>
<td>722.40</td>
<td>4,438.00</td>
<td>339.00</td>
<td>189.00</td>
<td>Bare Equip.</td>
<td>2009 Qtr 1</td>
<td>21,500.00</td>
<td>15,440.00</td>
<td>13,725.00</td>
<td>7,590.00</td>
<td>3,210.00</td>
<td>1,110.00</td>
<td>2,781.60</td>
<td>1,104.00</td>
<td>1,131.00</td>
<td>5,482.40</td>
<td>5,110.00</td>
<td>5,477.50</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>District 141</strong></td>
<td><strong>21,500.00</strong></td>
<td><strong>15,440.00</strong></td>
<td><strong>13,725.00</strong></td>
<td><strong>7,590.00</strong></td>
<td><strong>3,210.00</strong></td>
<td><strong>1,110.00</strong></td>
<td><strong>2,781.60</strong></td>
<td><strong>1,104.00</strong></td>
<td><strong>1,131.00</strong></td>
<td><strong>5,482.40</strong></td>
<td><strong>5,110.00</strong></td>
<td><strong>5,477.50</strong></td>
<td><strong>188,340.00</strong></td>
<td><strong>23,700.00</strong></td>
<td><strong>17,200.00</strong></td>
<td><strong>15,075.00</strong></td>
<td><strong>13,886.80</strong></td>
<td><strong>8,305.00</strong></td>
</tr>
</tbody>
</table>

**Asbestos Abatement Equipment, negative air machine, 1800 CFM**

**Asbestos Abatement Equipment, pressure sensitive caution labels, 11" x 17"**

**Asbestos Abatement Equipment, pressure sensitive caution labels, 3" x 5"**

**Asbestos Abatement Equipment, disposable fiber drums, 3 CF**

**Asbestos Abatement Equipment, disposable fiber drums, 3 CF**

**Asbestos Abatement Equipment, disposable polyethylene bags, 6 mil, 3 CF**

**Asbestos Abatement Equipment, disposable polyethylene bags, 6 mil, 3 CF**

**Asbestos Abatement Equipment, worker protection, whole body, foot, head cover & gloves, plastic**

**Asbestos Abatement Equip. & Supplies, Buy, shower unit, incl. pump & filters**

**Asbestos Abatement Equip. & Supplies, Buy, personal respirators, negative pressure, 1/2 face,**

**Hazardous waste cleanup/pickup/disposal, transportation to disposal site, truckload = 80 drums or**

**Hazardous waste cleanup/pickup/disposal, solid pickup, bulk material, minimum**

**Disposal of contaminated soil to landfill, minimum**

**Selective demolition, cutout, concrete, walls, bar reinforced, over 6 C.F., excludes loading**

**Selective demolition, cutout, concrete elevated slab, light reinforcing, over 6 C.F., excludes loading**

**Selective demolition, cutout and dump fees**

**Bldg. footings and foundations demolition, add for disposal, up to 5 miles, excludes disposal costs**

**BUILDING DEMOLITION FOOTINGS AND FOUNDATIONS, excludes disposal costs and dump fees**

**Scaffolding, planks, labor only to install & remove, 2"x10"x16', up to 50' high**

**Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, floor area, 6'**

**Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, floor area, 4'**

**Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, floor area, 3'**

**Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, floor area, 2'**

**Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, floor area, 1'**

**Scaffolding, planks, labor only to install & remove, 2"x10"x16', up to 30' high, excl. planks**

**Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, floor area, 6'**

**Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, floor area, 5'**

**Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, floor area, 4'**

**Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, floor area, 3'**

**Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, floor area, 2'**

**Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, floor area, 1'**
At this point the School District gave up and the board told the superintendent to focus on upping the debt limit and bond for funding and forget FEMA entirely.

March 24, 2009 FEMA agrees school is in floodplain but rejects “substantial damage”

The City of Ottawa convinced the board to hire a professional advocacy group and agreed to share the cost. James Lee Witt Associates was chosen and hired in April.

A CEF (Cost Estimating Format) was prepared by the architect and Witt and submitted with three separate appeals.

After a lengthy appeal of damage, the appraisal and cost of repairs FEMA awards School District 12.75 million towards an “improved project” in August 2009. New school was located outside the floodplain and opened in Spring of 2012.
LESSONS LEARNED

• STATE AGENCIES AND FEMA ARE THE “GOOD GUYS” WITH A VERY TOUGH JOB

• GET EVERY CRITICAL ANSWER IN WRITING

• WHEN A SITUATION MOVES BEYOND FLOODPLAIN 101—GET HELP!

• DO NOT PROCRASTINATE OR PUT OFF DECISION MAKING BECAUSE OF WHAT YOU “THINK” THOSE AFFECTED WILL FEEL ABOUT YOUR DECISION

• IF YOU ARE RIGHT, STAND YOUR GROUND
Hey Mike,

I just told me you called about Central School. You may want to stop the bulldozers. There are a couple "hitches":

1. Our permit engineers are going to need a full hydraulic analysis of the Illinois River before they can approve the project.

2. EPA needs a sign affidavit that the asbestos-laden fill is going to an approved site.

3. IDNR found a Green Spotted Salamander behind the playground. They want to do a full environmental.

4. IHPA found two flint chips next to the parking lot. They want to do a full archeological assessment.

5. FEMA is questioning the appraisal. However, with the new NFIP regulations, they may have to wait until the next Congressional approval of the program. Congress will meet again sometime after the elections. It could be several more months...

6. Of course, by the time this happens, our permit will expire and you will need to resubmit.
IN AUGUST OF 2010 THE CITY OF OTTAWA APPLIED FOR IKE GRANT FUNDING TO PURCHASE THE BUILDING, ABATE THE ASBESTOS AND DEMOLISH THE STRUCTURE. IKE GRANT WAS AWARDED IN DECEMBER 2011. ASBESTOS ABATEMENT IS UNDERWAY NOW. DEMOLITION WILL FOLLOW SOON AND THE PROPERTY WILL BE DEED RESTRICTED TO OPEN SPACE FOR THE PUBLIC TO ENJOY.
The “Flats”– a 15 year commitment towards mitigation.
Overview

The flooding conditions that plagued Ottawa throughout the weekend, with the rising of the Fox and Illinois rivers, could be typified by this shot of the area known as The Flats, near the bend in the Fox River. The Marquette High School football field is in the top center. (Daily Times photo)
Residents on St. George Street had this view Saturday, looking out on water, water, everywhere. (Daily Times photo)
Boating along

A rowboat had to be used Saturday to get to a residence on St. George Street in Ottawa. (Daily Times photo)
The Daily Times

OTTAWA, ILLINOIS
AUGUST 18, 1997 Vol. 153, No. 193
50 CENTS

TODAY'S TIMES

To park or not to park:
Shakespeare in the lot

NEW YORK (AP) — Broadway it's not. Shakespeare in the Parking Lot” is theater for the masses, and then some. Actors compete with daily garbage trucks, an occasional drunk, sniffing dogs, car alarms and the like.
The 5-year-old summer festival of Shakespeare onplay performs for free in a municipal parking lot, doing the Bard’s “Macbeth,” “A Midsummer’s Night Dream,” “The Tempest” and more.

It has its upsides, said Bob D’Haene, a wiry actor who plays Macbeth.

In one recent play, teen-age boys taunted performers with hawks and laughter during “Hamlet.” About halfway through, they became quieter. The next night they returned and sat in a back row, silent and watching.

“You could just tell, they were totally, totally getting everything that we’re doing and enjoying it and having a great time,” D’Haene said.

OPINION

Never a dull moment on television talk shows

Columnist Dave Barry recently took to the TV world while promoting his new book.

“You go on whatever show they tell you to go on because you never know when you’re going to be invited back,” he said.

What is worse than flood with 1-2 punch?

By PAT HARRISON
City Editor

By looking at the dollars required to repair damage from the July 1996 and February 1997 floods, it appears the winter flood was worse.

LaSalle County spent between $50,000 and $55,000 to repair shoulder damage on county roads and clean up debris stuck under bridges from flooding last July, says County Engineer Bill Keith. It spent about $90,000 to pull itself back together after the February flood.

County roads and shoulders suffered more damage in the winter because the ground was frozen, he said.

Serena Township Road Commissioner Ron Rosenberg said his area did not have any problems last July.

By JANET LUNDQUIST
Staff Writer

“The floods — and the city has done nothing to help.

The committee will start with a survey of damage analysis on homes affected by July and February flooding, Keene said. ‘If you sit back and do nothing, nothing will happen. I’m not sure what will be accomplished by the committee, but I know at least something will happen’

‘Two of Ottawa’s schools sustained

The FLOODS

JULY 1996 & FEBRUARY 1997

‘We just hope it doesn’t happen again’

By CONNIE BENNETT

(photograph at left) of Sheridan, was one of many LaSalle County residents who found their world flooding away last summer.

For many, recovery is still ongoing more than a year later. (Photo by Tom Sietek) More photos on Page 7.
Wants money spent for dike

To the editor:

Chicago is called the city that works. Ottawa may be called the city that spans rivers. What will the plaque read on the new crossing? Dedicated to those trapped on an “Island” in December 1982 during THE flood. Ottawa needs a new bridge as much as it needs an Earthquake. NO!

In the area of the Flats the victims of the flood suffered more than a little unconvience of being “trapped” for a short while. Many of us in the flats will not return home to stay for over a week. People on the “Island” could stay home during and after the crisis.

Throughout the flood, people on the Eastside had power, heat, running water and dry floors. We “Little people” in the flats had none there and will still be without next week. The vast majority of the Eastsiders will have a happy Christmas and New Years. We in the flats will still be recovering.

In light of all this the present city government is pushing for a new bridge?

This is senseless. If money is to be spent on major construction, build a dike along the Fox River and prevent the loss of property and the misery of being evacuated every year from this low lying area. A dike would be more useful and beneficial during years to come.

Matt Ruger
801 E. Superior
Ottawa
Mr. William C. Krause  
City Engineer  
301 West Madison Street  
Ottawa, Illinois 61350

Dear Mr. Krause:

We have completed a preliminary evaluation of a levee and floodwall plan to reduce flood damages along the Fox River from Guion Street upstream to Superior Street. This plan is shown on the attached plate.

The preliminary analysis estimates that the levee and floodwall plan (100-year protection) would have a first cost of $1,223,000, resulting in an average annual cost of $116,700. The average annual benefits resulting from the plan are $104,600, resulting in a benefit-to-cost of 0.9. This plan is not economically justified and would not permit us to proceed to the more detailed reconnaissance phase of study.

If the I-wall and gated closure across Champlain Street could be replaced with a levee, it should reduce the cost sufficiently to make the plan economically justified. Would the city support a plan that blocks off Champlain Street?

Any questions regarding the preliminary analysis can be directed to Mr. Richard Watson at 309/788-6361, Ext. 6341.

Sincerely,

[Signature]

Arthur J. Klingerman  
Chief, Planning Division

Enclosure
Flood Protection vs. Abatement

- Cost to build levee 1984 dollars = $1,223,000.
- Today’s dollars= $2,771,000
- Total losses (bldg. & content) $1,350,914
- Total=$4,121,914
- Does not include O&M

- Total dollars to buyout 74 buildings and clear the Flats=$3,229,093
- Flood of 2008 would have overtopped the levee
- With 2011 FIRM’S, the levee would have been de-accredited
DECISION TIME

• IS A PROPERTY “BUY OUT” APPROPRIATE?

• HAVE YOU BEEN DECLARED A FEDERAL DISASTER?

• 10%-15% OF DISASTER RELIEF $ AVAILABLE THROUGH IEMA (HMGP)

• TALK WITH RON DAVIS (IEMA) AND PAUL OSMAN (OWR)

• BENEFIT COST= PROVE THAT THE PRESENT BUYOUT COST WILL BE LESS THAN LONG TERM LOSSES/GAINS

• EDUCATE THE PROPERTY OWNER, GENERATE INTEREST AND MOVE THEM TO ACTION
HAZARD MITIGATION GRANT PROGRAM
HMGP

- Subgrant Project Application (40 pages)
- Taxpayer ID Certification
- Drug Free Workplace
- Maintenance Agreement
- Deed Restrictions (model)
- HMGP Assistance Agreement (assures project will comply with State & Fed regulations.)
- Narrative Description—be thorough
- Public Involvement
- INITIAL SUBGRANT APPLICATION FILED
NOVEMBER 2008
HURRICANE IKE GRANT PROGRAM

• Used for project matching funds—referred to as Property Buyout Program (PBP)
• INITIAL GRANT APPLICATION FILED AUGUST 2010
WHAT HAPPENS WHEN THE BFE IS RAISED?

• HIGH SCHOOL LEVEE LOSES ACREDITATION
• NEW PROPERTIES ADDED TO THE SFHA
• SOME PROPERTIES THAT ELEVATED ARE NO LONGER SAFE
• LIMITED CONTOUR INFORMATION PLACES HIGH & DRY PROPERTIES INSIDE THE SFHA
• SOME PROPERTY OWNERS NOW NEED FLOOD INSURANCE
• WWTP NOW AT RISK
• OPPORTUNITY TO “FIX” THINGS BEFORE FINAL MAPS
June 16, 2009

Mr. George Shanley, President
Board of Education
Ottawa Township High School
211 E. Main St.
Ottawa, IL 61350

Dear Mr. Shanley:

This letter is in regard to the Ottawa High School Levee shown on LOMR 01-05-2931P for the City of Ottawa. As you may know, the Department of Homeland Security, Federal Emergency Management Agency (FEMA), is in the process of producing a countywide FIS report and Digital Flood Insurance Rate Map (DFIRM) for LaSalle County.

As part of FEMA’s effort to produce the DFIRM, it was determined that the flood hazard information presented on LOMR 01-05-2931P is based, in some areas, on flood protection provided by the Ottawa High School Levee. Based on the information available and on the mapping standards of the National Flood Insurance Program (NFIP) at the time that the LOMR was performed, FEMA accredited the levee with providing protection from the flood that has a 1-percent-chance of being equaled or exceeded in any given year. The 1-percent-annual-chance flood also is referred to as the base flood.

The Ottawa High School Levee does not meet the requirements set forth in the Code of Federal Regulations, Title 44, Section 65.10 (44 CFR 65.10), which is required for the levee to be accredited as providing base flood protection. Therefore, the levee cannot be shown on the DFIRM as providing protection from the base flood.

The levee will be de-accredited on the DFIRM. A phone call was held with your staff on June 16, 2009 to inform you of the de-accreditation process. The area landward of the levee will be mapped as Special Flood Hazard Area (SFHA) as appropriate. Therefore, the mandatory flood insurance purchase requirements of the NFIP will apply to these areas when the DFIRM becomes effective. In addition, local floodplain management ordinances must be enforced in these areas. It is highly recommended that you consider this risk in your local emergency management plans, including creating evacuation plans for this area.

FEMA will issue Preliminary Maps when the de-accredited mapping is completed. At that time, FEMA will meet with you and the public regarding the revised maps. Following this meeting, a 90-day Appeal Period will be held. When all Appeals are resolved, FEMA will issue the Letter of Final Determination. Final DFIRMs will be distributed that will become effective 6 months after the date of the Letter of Final Determination.

We encourage you to inform property owners behind the levee of this change. FEMA has produced a variety of outreach materials which can be used to educate and inform the public about the risks associated with levees and how they can better protect themselves against those risks. These materials are

www.fema.gov
Levee
Flood Protection Wall
Fox River
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<tr>
<th>Reference Number</th>
<th>Mailing Name</th>
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<td>LIBBEY-OWENS FORD-COMPANY</td>
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EDUCATING THE PUBLIC

Step 1
• Floodplain 101
• Insurance Requirements

Step 2
• Elevation Certificates
• Letters of Map Change

Step 3
• Identify the resources
• Move them to action
July 1, 2010

Dear Resident:

You are receiving this letter because your property is affected by the new Preliminary Digital Flood Insurance Rate Maps. Many property owners have already contacted the City of Ottawa regarding these changes. The Floodplain Management for the City of Ottawa and the Flood Commission are considering a strategy to clarify potential errors that may have been caused by poor contour information.

The City of Ottawa has already submitted maps changes to FEMA for the preliminary DFIRM’s. Once FEMA formally responds to the City regarding these changes there will be 90 days in which to submit requests for map changes from the public.

We will have a public meeting on July 13, 2010 and July 14, 2010 at 5:00 p.m. in Council Chambers at City Hall. All residents who receive this letter are urged to attend. On July 13, we ask those residents along the Goose Creek and the Fox River to attend this session. On July 14, we ask all residents who live on the Illinois River to attend this session.

The strategy will be discussed in detail and representatives from our local land surveyors will be in attendance. Briefly stated, most properties that are affected will need to obtain an Elevation Certificate. This certificate can only be generated by a licensed land surveyor. The certificate is more costly if done individually, as opposed to groups of adjoining properties banning together with one land surveyor.

Please plan to attend this most important meeting as it will be the last one before map changes are submitted to FEMA. Of course if you have questions, please feel free to contact either Floodplain Manager for the City of Ottawa: Dave Noble, P.E., CFM, 815 433 0161 ex. 20 or Mike Sutfin, CFM, 815 433 0161 ex 19.

Sincerely,

Michael Sutfin, CFM
Building & Zoning Official

Dave Noble, P.E., CFM
City Engineer
“Wait just a minute—you changed the maps, you changed the Base Flood Elevation and now I have to purchase an Elevation Certificate and Flood Insurance?!!!”
"In 2011, LaSalle County, IL (and the City of Ottawa) will receive new Digital FIRMS. The BFE will increase on those new maps. The LAG on this LOMA is higher than the new BFE. The new BFE is 473.8 NAVD88 and the LAG is 533.46 NAVD88. The new BFE was taken from the Preliminary FIS dated March 10, 2010. This LOMA should be revalidated."
Final Summary of Map Actions

These LOMC’s (over 100) will be revalidated free of charge 1 day after the revised FIRM becomes effective through a single revalidation letter that reaffirms the validity of the previous LOMC’s.
Flood Saturday reaches Center Ottawa

Pumper truck

The fire department used a pumper truck Saturday to try to keep ahead of the flood waters in the OHS cafeteria. (Daily Times photo)

Street covered

A youth on a bicycle shows the depth of the water at Shabbona and Main Streets Saturday. (Daily Times photo)
Buckled wall at OHS

Ottawa High School administrative assistant Ken Fread shines a flashlight on a cement block wall that buckled in the driver's education department over the weekend from the force of the floodwaters entering the complex. OHS officials made a tentative survey of damages this morning while water pumps still labored in the murky depths of the building. (Daily Times photo.)
Flood Warning
Flash Flood Watch

View all valid statements/warnings

Universal Time (UTC)

Latest observed value: 469.91 ft at 7:45 PM CDT 9 Mar 2009. Flood Stage is 463.0 ft.

Ilinois River AT Ottawa

Record Stage: 472.2 ft

Major Stage: 469.0 ft

Moderate Stage: 466.0 ft

Flood Stage: 463.0 ft

Action Stage: 461.0 ft

Site Time (CDT)

Stage (ft)

Stage (ft) at various dates and times.

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

Default Hydrograph

Graph Created (3:35 pm Mar 9, 2009) - Observed
Forecast (issued 11:39 am Mar 9)

NOTICE: Forecasts for the Illinois River at Ottawa are issued as needed during times of high water, but are not routinely available.

Flood Categories (in feet)
Major Flood Stage: 469
Moderate Flood Stage: 466
Flood Stage: 463
Action Stage: 461

Historical Crests
(1) 472.21 ft on 09/16/2008

http://www.crhc.nohv.gov/ahps2/hydrograph.php?wfo=lot&gage=otwi2&view=1,1,1,1,1,1,1,1,1

3/9/2009
460.8 River Rescue

461.24 Public Works
Illinois River overtops CSO 18B at High School. City Engineer confirms with Director of Public Works.

461.3 Ottawa High School
River infiltrates East side City storm system. Pumping begins to control stormwater and mixed systems.

461.7 City of Ottawa
Fox River tops Combined Sewer Overflow (CSO) 18A at Ottawa High School. Close valve in Manhole D11CS46. City Engineer confirms with Public Works.

**FLOOD STAGE**

462.5 Ottawa High School
River flooding infiltrates West Parking Lot. Close Gate B, begin pumping to mitigate seepage & storm water.
City Engineer & Building Official to notify Central School, Ottawa Regional Hospital, YMCA, & Public Works, Ottawa Police and Fire Departments to prepare for further flood fighting.

463 City of Ottawa
Illinois River flows into effluent pipe. Close gravity effluent valve and start high river pumps.
Building Official notifies Public Works to close Allen Park. Have Thrush Sanitation remove portable toilets from Allen Park.
Have the electrical inspector see that the River Walk power is shut down.

464 City of Ottawa
City Engineer to notify Ameren and Nicor Gas to close down all utilities in the Special Flood Hazard Area.

465 Heritage Harbor
Harborwalk floods. Dock ramps cannot be accessed without a boat.

**Moderate Flood Stage**

465.3 Ottawa Regional Hospital
Building Official contacts hospital. Lower green spaces on the hospital grounds begin to flood.
City Engineer contacts Public Works to barricade Hudson Street as it will become impassible.

465.5 Marquette High School
Football fields begin to flood. Building Official contacts high school.

466 Heritage Harbor
Travel-lift slab area begins to flood. Secure all items and remove to high ground.
City Engineer ensures that River Walk at Hudson Street is closed, Fox River Park is closed and St. Clair Street is barricaded.

466.4 City of Ottawa
Illinois River level reaches Douglas and Leland CSO. City Engineer to notify Waste Water Treatment Plant.
Illinois River level reaches Chester Street CSO. City Engineer to notify Public Works to close sluice gate MHO12D011.

467 City of Ottawa
City of Ottawa and Shoreline Boat Club
City of Ottawa

467.5 City of Ottawa
Building Official to notify Streets Department to close Green Street. Notify Fire Dept. and Police of limited access to East side. Notify Shoreline Boat Club to secure boats & land cradles and to evacuate property.

468.1 Ottawa Elementary School
Illinois River reaches top of bank South of Central School. Crawl space begins to flood.
Building is threatened. River Rescue personnel to remove equipment to higher ground and begin 24 hour watch.
Fox River is flowing into CSO-011 off Main Street.

468.7 River Rescue
River infiltrates building.
Illinois River is flowing into CSO-006 off Riverview Drive.
Flood fighting begins, sandbag lower level entry ways.

**MAJOR FLOOD STAGE**

469 Ottawa Regional Hospital
Shut storm drain valve off.
City Engineer engages incident command. Activate the City of Ottawa’s Emergency Response Plan. Notify the Mayor of emergency status. Designate Public Information Officer and contact LaSalle County OEM, Contact Red Cross, WCMY radio station, Ottawa Delivered and The Times. Activate Community Emergency Notification System (CENS) for the “Flats”.

470 Ottawa High School
River infiltration at Shabbona Street begins. Construction of sandbag enclosure begins.
City Engineer to have Public Works monitor Jackson Street lift station. Shut down power if necessary.

470.2 City of Ottawa
Fox River reaches center of parking lot.

471.3 YMCA
Fox River is flowing into CSO-013 off Madison Street.

471.5 City of Ottawa
West parking lot floods.

472 Ottawa Regional Hospital
Sand bag Waste Water Treatment facility bern
Emergency Room Floor Elevation. Flood protection wall installed in 2009 should prevent any infiltration of water.

473 Ottawa Regional Hospital
Building will be under water.
Illinois River will overtop the bern at WWTP if not sandbagged. Top of Fox River levee.

474 Shoreline Boat Club
All power should be shut down to docks.

474.5 Ottawa High School
Lowest basement begins to flood
Top of flood protection wall on Fox River South of Main Street Bridge.

475 Heritage Harbor
City Engineer to monitor Main Street bridge. If the Main Street bridge is to be closed, move to Unified Command. Consider evacuation of East side. Mayor to consider Disaster Declaration. Notify all residents of East Side via CENS, Police and Fire Departments to take appropriate action.
FLOW MODELING, MAPPING & H&H DONE
THE TOOLS THAT MEASURE OUR SUCCESS

- CENTRAL SCHOOL
- THE FLATS
- HIGH SCHOOL LEVEE